COMMUNICATIONS

HELIUM UNSCRAMBLERS

Helium Speech Unscrambler

SEE BELOW

The New Amron International DSP2 is the third generation of Helium Speech Unscramblers (HSU). The unique design utilizes the latest technological advancements including dual digital signal processors.

Features

- Real-time audio processing uses both frequency and time domain technologies for optimized performance over a wide range of depths and background noise
- Treble Boost Control provides means of adjustment to enhance the diver's microphone performance
- Treble Boost Control feature allows for optimum frequency enhancement and improved intelligible speech from the diver's voice
- The Depth Control increases or decreases the diver's depth algorithm changing the amount of correction to the raw helium speech
- Mode Switch allows for two choices of operation Mode A is typically used for shallow depths with lower concentrations of Helium, while Mode B is used for deeper depths requiring higher concentrations of Helium
- Advanced Noise Reduction Filter (NRF) incorporates a complex DSP algorithm which filters out background noise while allowing the diver's speech to be clear and intelligible
- Noise Reduction Filter has four adjustment levels for the reduction of background noise in both depth modes A and B
- Mode A, simply toggle the mode switch from A to B and back to A - Each time a toggle cycle is completed, the filter will advance to the next level
- Mode B, simply toggle the mode switch from B to A and back to B - Each time a toggle cycle is completed, the filter will advance to the next level

Rechargeable with Internal Charger for 2- and 3-Diver Portable DSP2 Communicators Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- User Manual

Rechargeable with Internal Charger for 2- and 3-Diver Rack Mount DSP2 Communicators Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (2) 6 VDC Spring-Top Gel-Cell Rechargeable Battery: Part Number 2890-04 - Expected life: 20 hrs
- MS Connector – 20 Pin for 2- and 3-Diver Communicators: Part Number MS-3106A-28-16P
- MS Connector Cable Clamp for 2-, 3-, or 4-Diver Communicators: Part Number MS-3057-16A
- Power Cord: Part Number P-2392
- User Manual

Rechargeable with Internal Charger 4-Diver Rack Mount DSP2 Communicator Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (2) 6 VDC Spring-Top Gel-Cell Rechargeable Battery: Part Number 2890-04 - Expected life: 20 hrs
- MS Connector – 20 Pin for 4-Diver Communicators: Part Number MS-3106A-28-12P
- MS Connector Cable Clamp for 2-, 3-, or 4-Diver Communicators: Part Number MS-3057-16A
- Power Cord: Part Number P-2392
- User Manual

2825A/24/26DSP2 2-DIVER PORTABLE WITH DSP2 UNSCRAMBLER

2830R/24/26DSP2 3-DIVER RACK MOUNT WITH DSP2 UNSCRAMBLER

Amcom™ Communicators with DSP2 Helium Speech Unscrambler (HSU)	
2825A/24/26DSP2	2-Diver Portable Rechargeable with Internal Charger and DSP2 HSU
2830A/24/26DSP2	3-Diver Portable Rechargeable with Internal Charger and DSP2 HSU
2825R/24/26DSP2	2-Diver Rack Mount Rechargeable with Internal Charger and DSP2 HSU
2830R/24/26DSP2	3-Diver Rack Mount Rechargeable with Internal Charger and DSP2 HSU
2840R/24/26DSP2	4-Diver Rack Mount Rechargeable with Internal Charger and DSP2 HSU

TECH NOTE:

The use of high quality microphones with high output and wide frequency response can not be over emphasized. The voice frequency range in air requires a frequency response of 300 Hz to 3000 Hz. In Helium, with a shift of 3 times,the frequency range will be 900 Hz to 9000 Hz.

RACK MOUNT COMMUNICATORS

Amron Rack Mount Communicators

SEE BELOW

Amron International's Rack Mount Communicators are the most versatile and powerful communicators on the market today.

Features

- Volume setting for each diver and tender to their individual comfort level
- Divers can be set up on 4-Wire Mode or 2-Wire Mode or any combination of the two modes
- Ability to use both dynamic and preamplified diver microphones with a unique circuit that detects microphone type and automatically adjusts volume levels
- Weatherproof panel microphone for greater voice intelligibility
- Battery Condition Indicator - Visual LED indicator of battery condition
- Communicator can be left on charge indefinitely without damage to the batteries or communicator
- Communicator can be operated directly from the charger where AC power is available

Rechargeable with Internal Charger for 2- and 3- Diver Rack Mount Series Communicators Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (2) 6 VDC Spring-Top Gel-Cell Rechargeable Battery: Part Number 2890-04 - Expected life: 20 hrs
- (1) MS Connector 20 Pin for 2 and 3-Diver Communicators: Part Number MS-3106A-28-16P
- (1) MS Connector Cable Clamp for 2-, 3-, or 4-Diver Communicators: Part Number MS-3057-16A
- Power Cord: Part Number P-2392
- User Manual

Rechargeable with Internal Charger for 4- Diver Rack Mount Series Communicators Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (2) 6 VDC Spring-Top Gel-Cell Rechargeable Battery: Part Number 2890-04 - Expected life: 20 hrs
- (1) MS Connector 20 Pin for 4-Diver Communicators: Part Number MS-3106A-28-12P
- (1) MS Connector Cable Clamp for 2-, 3-, or 4-Diver Communicators: Part Number MS-3057-16A
- Power Cord: Part Number P-2392
- User Manual

Specifications	
Power	110/220 VAC, 50/60 Hz (automatic sensing) with 2 Internal Rechargeable Batteries, 12 VDC
Audio Power Output	20 Watts per channel
Frequency Response	500 Hz to 3 kHz
Enclosure	19 in. Retma Rack Mount, Anodized Aluminum
Dimensions (Communicator)	7 in. H x 19 in. W x 13 in. D (17.8 cm x 48.3 cm x 33.0 cm)
Weight (approx.)	20 lbs (9.1 kg)

2830R/24 3-DIVER RACK MOUNT COMMUNICATOR

RACK MOUNT COMMUNICATOR REAR VIEW

RACK MOUNT COMMUNICATOR CONNECTOR

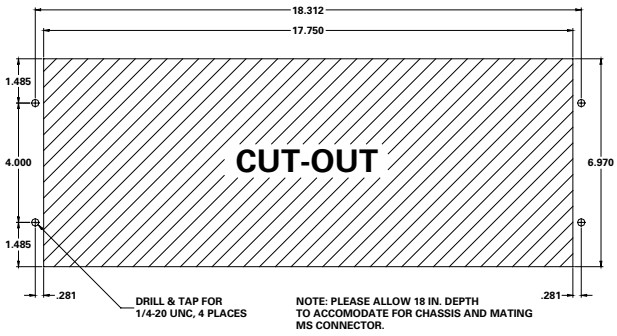


FIGURE 1 - RACK MOUNT COMMUNICATOR MOUNTING DIMENSIONS

Rack Mount Communicators	
2825R/24	2-Diver Rack Mount
2825R/24/26DSP2	2-Diver with DSP2 Digital Helium Speech Unscrambler
2830R/24	3-Diver Rack Mount
2830R/24/26DSP2	3-Diver with DSP2 Digital Helium Speech Unscrambler
2840R/24	4-Diver Rack Mount
2840R/24/26DSP2	4-Diver with DSP2 Digital Helium Speech Unscrambler

Accessories	
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
2822-28	Remote Walk-and-Talk Module with 25 ft. Cable (4-Wire Mode)

COMMUNICATION ROUTING PANELS

Chamber Communication Routing Panel

3226

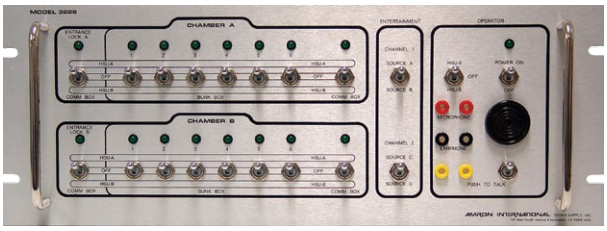
Controls communications for saturation diving systems between Dive Control and saturation chamber. The operator is able to quickly identify the origin and routing of a signal and make simple interconnections throughout the system.

Features

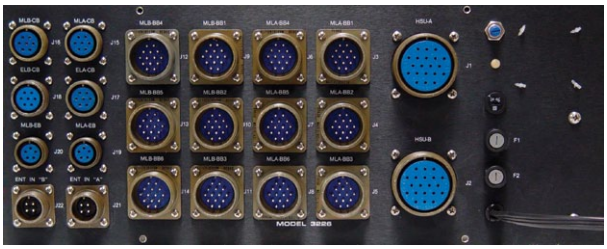
- All signals are routed through our DSP2 Helium Speech Unscrambler for voice correction
- Twelve Bunk Station channels, arranged in two chambers, six stations per chamber
- Two Communication Station channels per chamber: one chamber, one entry lock with Push-to-Call
- Two Helium Unscrambler channels; each can be used as primary communication or split for two independent conversations
- Two Entertainment channels with two audio sources per channel, routes audio entertainment from AM/FM radios, audio disc players, television, or movie sound tracks
- Audio/Visual Call Indicator for each chamber location
- Operator can route private or conference conversation through one helium unscrambler, leaving the other for chamber monitoring

Chamber Communication Routing Panel Part Number 3226 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (12) MS Connector Cable 14 Pin Female: Part Number MS-3106A-20-27S
- (12) MS Cable Clamp 20/22 Shells: Part Number MS-3057-12A
- (4) MS Connector Cable 7 Pin Male: Part Number MS-3106A-16S-1P
- (4) MS Cable Clamp 16 Shell: Part Number MS-3057-8A
- (2) MS Connector Cable 5 Pin Male: Part Number MS-3106A-14S-5P
- (2) MS Cable Clamp 14 Shell: Part Number MS-3057-6A
- (2) MS Connector Cable 20 Pin Male: Part Number MS-3106A-28-16P
- (2) MS Cable Clamp 24/28 Shells: Part Number MS-3057-16A
- (2) MS Connector Cable 4 Pin Female: Part Number MS-3106A-14S-2S
- (2) MS Cable Clamp 14 Shell: Part Number MS-3057-6A
- Power Cord: Part Number P-2392
- User Manual



3226 COMMUNICATION ROUTING PANEL



3226 COMMUNICATION ROUTING PANEL CONNECTIONS REAR VIEW

Accessories	
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
2822-28	Remote Walk-and-Talk Module with 25 ft. Cable (4-Wire Mode)

Specifications	
Call Circuit Channels	16 ea. 8 per Chamber (6 Bunk Boxes, 1 Comm. Box, and 1 Entry Lock)
Input/Outputs	MS Connectors, on Rear Panel (MIL- C- 5015)
Enclosure	19 in. Retma Rack Mount, Anodized Aluminum
Dimensions	7 in. H x 19 in. W x 13 in. D (17.8 cm x 48.3 cm x 33 cm)
Weight	10 lbs (4.5 kg)

Bell Communication Routing Panel

3222

The Bell Communication Routing Panel connects divers and bellman, operating from a diving bell, to one of two helium unscramblers. A Dive Control operator is able to select either helium speech unscrambler at the flip of a switch.

Features

- Channels - 3-Divers, Bellman, Bell Speaker, Through-Water-Comms, and 2 Helium Unscramblers
- Inputs - Through-Water, 3-Divers, Bellman, and a Bell Speaker
- Terminal board inputs are provided for bell umbilical and through-water units
- Interface connections to helium unscrambler is a single cable with MS connectors which provides easy installation and maintenance

Bell Communication Routing Panel: Part Number 3222 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (2) MS Connector Cable 20 Pin Male: Part Number MS-3106A-28-16P
- (2) MS Cable Clamp 24/28 Shells: Part Number MS-3057-16A
- User Manual

3222 BELL ROUTING PANEL

3222 BELL ROUTING PANEL REAR CONNECTIONS

Specifications	
Dimensions	3.5 in. H x 19 in. W x 13 in. D (8.9 cm x 48.3 cm x 33 cm)
Weight	7 lbs (3.18 kg)
Enclosure	19 in. Retma Rack Mount, Anodized Aluminum

COMMUNICATION ROUTING PANELS / BELL BOX

Communication Routing Panel

3307

The Amron Communication Routing Panel routes communications from helium unscramblers to other areas of the diving chamber complex.

Features

- System capacity is four 3-Diver helium speech unscramblers
- System has “call enunciator” with audio and visual signaling
- Entertainment routing capacity is has 2-channels with two sources per channel and includes stereo capability per channel source
- 19 Call Circuit Channels
- 1 Call Circuit per Transfer Lock Communications Box
- 1 Call Circuit per Chamber Communications Box
- 1 Call Circuit per Chamber Bunk Box

Communication Routing Panel: Part Number 3307 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (4) MS Connector 20 Pin Male: Part Number MS-3106A-28-16P
- (4) MS Cable Clamp 24/28: Part Number MS-3057-16A
- (4) MS Connector 14 Pin Male: Part Number 3106A-20-27P
- (4) MS Cable Clamp 20/22: Part Number MS-3057-12A
- (3) MS Connector 24 Pin Male: Part Number MS-3106A-24-28P
- (3) MS Cable Clamp 24/28: Part Number MS-3057-16A
- (2) MS Connector 26 Pin Male: Part Number MS-3106A-28-12P
- (2) MS Cable Clamp 24/28: Part Number MS-3057-16A
- Power Cord Part Number: P-2392

MODEL 3307 CHAMBER COMMUNICATION ROUTING PANEL

Accessories	
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
2822-28	Remote Walk-and-Talk Module with 25 ft. Cable (4-Wire Mode)

Specifications	
Input/Output	MS Type (MIL-C-5015)
Enclosure	19 in. Retma Rack Mount, Anodized Aluminum
Dimensions	8.72 in. H x 19 in. W x 13 in. D (22.2 cm x 48.3 cm x 33 cm)
Weight	11 lbs (5 kg)

Model 3307RP Remote Control Panel

3307RP

The Model 3307RP Remote Control Panel is used in conjunction with the Model 3307 Communications Routing Panel. The 3307RP extends the capability of the CRP to provide communications with an additional operator remotely located to the CRP.

Features

- Helium Unscrambler Selector Switch (rotary)
- 15 ft. cable with MS connector
- Push to Talk Switch
- Volume Control

Specifications	
Dimensions	5 in. H x 5.5 in. W x 2.75 in. D (12.7 cm x 14 cm x 7 cm)
Weight	5.5 lbs (2.6 kg)

Amron Bell Box

3120

Model 3120 Bell Box is designed to be used in diving bell applications. Materials and components used are well suited to the hostile environment of the bell. This is a unit designed to survive.

Features

- Five separate circuits, three for diver’s comm, one for bellman’s headset, and one for bell speaker
- Diver and bellman headset circuits are 4-wire, bell speaker is 2-wire
- Talk back speaker, bellman’s headset connector, three diver’s umbilical connectors
- Connections on bellman’s headset and diver’s umbilicals are identical and interchangeable; allows bellman’s headset to substitute for diver’s umbilical or helmet

Bell Box: Part Number 3120 Includes

- (3) 2 Pin 4 Contact Male Waterproof Connector: Part Number B51F4M-1
- (1) MS Connector 20 Pin: Part Number MS-3106E-28-16S
- (1) MS Cable Clamp 24/28 Shell: Part Number MS-3057-16A

Bellman’s Headset p/n 2460-20 (not Included)

PORTABLE COMMUNICATORS

Amcom 1-Diver Communicator

2810A

The Amcom I™ is a small compact one diver communicator packed with 22 Watts of audio power and many versatile features to give you many years of service.

Features

- Enough audio power to support two divers
- External 12 VDC power connection
- Independent diver and tender controls
- All connections on side of case for remote operation with lid closed
- 2- and/or 4-wire operation standard
- Tape Record Jack is standard
- The unit can be left on charge indefinitely without damage to the batteries or communicator (2810A versions only)
- The communicator can be operated directly from the charger where AC power is available (2810A versions only)

Non-Rechargeable: Part Number 2810A-1 Includes

- (2) 6 VDC Screw-Top Dry Cell Battery: Part Number 2890-01 - Expected life: 70 hrs
- User Manual

Rechargeable with External Charger: Part Number 2810A Includes

- 12 VDC Slide Terminal Gel Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 50 hrs
- External Battery Charger: Part Number 2823-602
- User Manual

1-Diver Communicator	
2810A-1	Non-Rechargeable
2810A	Rechargeable with External Charger
Accessories	
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
2405-28	Hand-Held Push-to-Talk Microphone
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
2822-28	Remote Walk-and-Talk Module with 25 ft. Cable (4-Wire Mode)
2810A-FS	Field Spares Kit

Specifications	
Audio Power Output	20 Watts per channel
Frequency Response	650 Hz - 2.2 kHz
Dimensions	6.75 in. H x 8.625 in. W x 6.25 in. D (17.1 cm x 21.9 cm x 15.9 cm)
Weight 2810	7 lbs (3.18 kg)
Weight 2810-1	11 lbs (5 kg)
Power	110/220 VAC 50/60 Hz (automatic sensing), or Internal/ External Batteries 12 VDC (2810A version only)

2810A - RECHARGEABLE WITH EXTERNAL CHARGER

Dual Banana Jack - Red
For headset microphone.
Dual Banana Jack - Black
For headset earphone, external remote speaker or Push-to-Talk microphone.
Dual Banana Jack - Yellow
For Push-to-Talk microphone.
5 Way Binding Post - Red
For divers microphone.
5 Way Binding Post - Black
For divers earphone.

2810A-1 FRONT VIEW

Tip Jack - Black and Red
For 12 VDC external battery charger or 12 VDC power source.
Tape Recorder Output
Audio output to connect to your recording device.

2810A-1 REAR VIEW

Amcom 2-Diver Standard Portable Communicators

2820A

The Amcom II™ Series 2820A has many versatile features and options to give you many years of service.

Features

- Single volume control for both divers
- Both divers can be set up on 4-Wire Mode or 2-Wire Mode or any combination of the two modes
- Ability to use both dynamic and preamplified diver microphones with a unique circuit that detects microphone type and automatically adjusts volume levels
- The divers connections consist of cross-talk and separate speaker and microphone inputs
- Weatherproof panel microphone for greater voice intelligibility
- Communicator can be left on charge indefinitely without damage to the batteries or communicator (/23 and /24 versions only)
- Communicator can be operated directly from the charger where AC power is available (/23 and /24 versions only)

Non-Rechargeable: Part Number 2820A Includes

- (4) 6 VDC Spring-Top Dry Cell Non-Rechargeable Batteries: Part Number 2890-03 - Expected life: 40 hrs
- User Manual

Rechargeable with External Charger: Part Number 2820A/23 Includes

- (4) 6 VDC Gel-Cell Spring-Top Rechargeable Batteries: Part Number 2890-04 - Expected life: 40 hrs
- External Battery Charger: Part Number 2823-602
- User Manual

Rechargeable with Internal Charger: Part Number 2820A/24 Includes

- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- User Manual

2-Diver Standard Portable Communicators	
2820A	Non-Rechargeable
2820A/23	Rechargeable with External Charger
2820A/24	Rechargeable with Internal Charger
Accessories	
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
2405-28	Hand-Held Push-to-Talk Microphone
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
2822-28	Remote Walk-and-Talk Module with 25 ft. Cable (4-Wire Mode)
28XXA-FS	Field Spares Kit

Specifications	
Audio Power Output	20 Watts per channel
Frequency Response	500 Hz to 3 kHz
Isolation Transformer	Split Bobbin Medical Grade
Dimensions	10 in. H x 9 in. W x 14.5 in. L (25.4 cm x 22.9 cm x 36.8 cm)
Weight	20.3 lbs (9.2 kg)
Power	110/220 VAC 50/60 Hz (automatic sensing), or Internal/ External Batteries 12 VDC

2820A NON-RECHARGEABLE

2820A/23 RECHARGEABLE WITH EXTERNAL CHARGER

2820A/24 RECHARGEABLE WITH INTERNAL CHARGER

PORTABLE COMMUNICATORS

Amcom 2-Diver Deluxe Portable Communicators

2825A

The Amcom II™ Series 2825A is the most versatile and powerful two diver communicator on the market today.

Features

- Volume setting for each diver and tender to their individual comfort level
- Both divers can be set up on 4-Wire Mode or 2-Wire Mode or any combination of the two modes
- Ability to use both dynamic and preamplified diver microphones with a unique circuit that detects microphone type and automatically adjusts volume levels
- Weatherproof panel microphone for greater voice intelligibility
- Communicator can be left on charge indefinitely without damage to the batteries or communicator (/23 and /24 versions only)
- Communicator can be operated directly from the charger where AC power is available (/23 and /24 versions only)

Non-Rechargeable: Part Number 2825A Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (4) 6 VDC Spring-Top Dry Cell Non-Rechargeable Batteries: Part Number 2890-03 - Expected life: 40 hrs
- User Manual

Rechargeable with External Charger: Part Number 2825A/23 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (4) 6 VDC Gel-Cell Spring-Top Rechargeable Batteries: Part Number 2890-04 - Expected life: 40 hrs
- External Battery Charger: Part Number 2823-602
- User Manual

Rechargeable with Internal Charger: Part Number 2825A/24 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- User Manual

Wireless Tender option is available. For more information please see page 12.

DSP2 Helium Speech Unscrambler option is available. For more information please see page 4.

2825A - NON-RECHARGEABLE

2825A/23 - RECHARGEABLE WITH EXTERNAL CHARGER

2825A/24 - RECHARGEABLE WITH INTERNAL CHARGER

Specifications	
Audio Power Output	20 Watts per channel
Frequency Response	500 Hz to 3 kHz
Isolation Transformer	Split Bobbin Medical Grade
Dimensions	10 in. H x 9 in. W x 14.5 in. L (25.4 cm x 22.9 cm x 36.8 cm)
Weight	22.5 lbs (10.2 kg)
Power	110/220 VAC 50/60 Hz (automatic sensing), or Internal/External Batteries 12 VDC (/23 and /24 versions only)

2-Diver Deluxe Portable Communicators	
2825A	Non-Rechargeable
2825A/23	Rechargeable with External Charger
2825A/24	Rechargeable with Internal Charger
2825A/23/28FDW	Rechargeable with External Charger and Wireless Tender option
2825A/24/28FDW	Rechargeable with Internal Charger and Wireless Tender option
2825A/24/26DSP2	Rechargeable with Internal Charger and DSP2 Helium Speech Unscrambler
Accessories	
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
2822-28	Remote Walk-and-Talk Module with 25 ft. Cable (4-Wire Mode)
28XXA-FS	Field Spares Kit

Amcom 3-Diver Portable Communicators

2830A

The Amcom III™ Series 2830A has all of the same features of our Amcom II™ Series Communicators. These superior communicators utilize separate volume controls for each diver and the tender, both for the uplink and downlink paths.

Features

- Volume setting for each diver and tender to their individual comfort level
- Divers can be set up on 4-Wire Mode or 2-Wire Mode or any combination of the two modes
- Ability to use both dynamic and preamplified diver microphones with a unique circuit that detects microphone type and automatically adjusts volume levels
- Weatherproof panel microphone for greater voice intelligibility
- Communicator can be left on charge indefinitely without damage to the batteries or communicator
- Communicator can be operated directly from the charger where AC power is available
- Enough audio power to support three divers

Rechargeable with Internal Charger: Part Number 2830A/24 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- User Manual

Rechargeable with Internal Charger and MS Connectors: Part Number 2830A/24-MS Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- User Manual

Wireless Tender option is available. For more information please see page 12.

DSP2 Helium Speech Unscrambler option is available. For more information please see page 4.

Specifications	
Audio Power Output	20 Watts per channel
Frequency Response	500 Hz to 3 kHz
Isolation Transformer	Split Bobbin Medical Grade
Dimensions	10 in. H x 9 in. W x 14.5 in. D (25.4 cm x 22.9 cm x 36.8 cm)
Weight (approx.)	22 lbs (9.98 kg)
Power	110/220 VAC 50/60 Hz (automatic sensing), or Internal/ External Batteries 12 VDC

2830A/24 RECHARGEABLE WITH INTERNAL CHARGER

2830A/24-MS RECHARGEABLE WITH INTERNAL CHARGER AND MS CONNECTORS

3-Diver Portable Communicators	
2830A/24	Rechargeable with Internal Charger
2830A/24/28FDW	Rechargeable with Internal Charger and Wireless Tender option
2830A/24/26DSP2	Rechargeable with Internal Charger and DSP2 Helium Speech Unscrambler
2830A/24-MS	Rechargeable with Internal Charger and MS Connectors
2830A/24/28FDW-MS	Rechargeable with Internal Charger, Wireless Tender option and MS Connectors
2830A/24/26DSP2-MS	Rechargeable with Internal Charger, DSP2 Helium Speech Unscrambler and MS Connectors

Accessories	
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
2822-28	Remote Walk-and-Talk Module with 25 ft. Cable (4-Wire Mode)
28XXA-FS	Field Spares Kit

PORTABLE COMMUNICATORS

Amron Wireless Tender Technology

SEE BELOW

The Wireless Tender Option is a perfect compliment to our 2-Diver and 3-Diver communicators. Amron International's Full Duplex Wireless Tender is designed for the topside tender to communicate to divers with hands-free operation and no required buttons to push.

Features

- Wireless tender option is a factory installed feature to most 2-Diver and 3-Diver communicators
- Existing communicators in the field can be sent back for retrofitting at a later date
- Unit features a duplex design that provides a continuous open line of communication between the tender and divers as if talking on a telephone (4-wire mode only)
- Additional 2829-01 Wireless Headset and Transceiver Kits can be purchased for use with the Amcom™ as "listen only" devices, as only one headset on the system can have listen and talk priority to the divers
- Standard headset is a tough over-the-ear single ear muff design with adjustable boom microphone
- Units operate on the FM band at 902-928 MHz up to a range of ¼ mile
- Transmitter/receiver unit is housed in a rugged plastic casing that can be clipped to a belt or slipped into a pocket
- Capable of operating (transmitting and receiving) continually for up to 5 hrs
- Battery will last for up to 8 hrs in standby mode

Rechargeable with External Charger and Wireless Tender option: Part Number 2825A/23/28FDW Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (4) 6 VDC Gel-Cell Spring-Top Rechargeable Batteries: Part Number 2890-04 - Expected life: 40 hrs
- External Battery Charger: Part Number 2823-602
- Remote Wireless Kit With: Part Number 2829-01
- User Manual

Rechargeable with Internal Charger: Part Number 2825A/24/28FDW Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- Remote Wireless Kit With: Part Number 2829-01
- User Manual

Rechargeable with Internal Charger: Part Number 2830A/24/28FDW Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- Remote Wireless Kit With: Part Number 2829-01
- User Manual

Rechargeable with Internal Charger: Part Number 2830A/24/28FDW-MS Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 20 hrs
- Remote Wireless Kit With: Part Number 2829-01
- User Manual

2825A/24/28FDW 2-DIVER COMMUNICATOR WITH WIRELESS TENDER OPTION

2830A/24/28FDW-MS 3-DIVER COMMUNICATOR WITH WIRELESS TENDER AND MS CONNECTORS (MILITARY VERSION)

Amcom™ Communicators with the Wireless Tender Option	
2825A/23/28FDW	2-Diver with Wireless Tender and Rechargeable Batteries
2825A/24/28FDW	2-Diver with Wireless Tender and AC Power
2830A/24/28FDW	3-Diver with Wireless Tender and AC Power
2830A/24/28FDW-MS	3-Diver (Military Version) with Wireless Tender MS Connectors and AC Power
Wireless Replacement Parts	
2829-01	Additional Remote Wireless Kit with Case, Remote Transceiver, Headset and Charger
2829-03	Remote Transceiver with Wall Charger
2829-04	Remote Wireless Headset Single Muff
2829-05	Battery Pack for Wireless Remote Transceiver
2829-07	Battery Wall Charger for Remote Transceiver
2829-09	Case for Remote Wireless Kit
Accessories	
2460-28	Standard Headset with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460SM-28	Single Ear Headset with Dual Banana Plugs
28XXA-FS	Field Spares Kit

Single Lock Chamber Communicator

2810A-2001

The Amcom™ Model 2810A-2001 is a panel mounted chamber communication system operating from an internal 110/220 VAC power source with an internal 12 VDC battery back up.

Features

- Single Lock, 1-Channel Operation
- Panel Mount for Chamber Panel
- Separate Volume Controls for both Operator and Lock
- Two Modes of Operation, 2-Wire Mode or 4-Wire Mode
- Noise Canceling Microphone
- LED Power/Battery Status Indicator

Single Lock Chamber Communicator: Part Number 2810A-2001 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 50 hrs
- Power Cord: Part Number P-2392
- User Manual

Specifications	
Power Supply Voltage	100/220 VAC Nominal
Output Power	20 Watts Audio
Battery Life	50 hrs
Panel	Stainless Steel
Enclosure	Black Anodized Aluminum
Dimensions	6.75 in. H x 10.75 in. W x 7 in. D (17.2 cm x 27.3 cm x 17.7 cm)
Weight	11.5 lbs (5.2 kg)

2810A-2001 PANEL MOUNT SINGLE LOCK CHAMBER COMMUNICATOR

SINGLE LOCK CHAMBER COMMUNICATOR BACK VIEW

Options and Accessories	
2460-28	Standard Headset, with Boom Mic and Dual Banana Plugs
2401-28	Heavy Duty Headset with Boom Mic and Dual Banana Plugs
2460-31R	Occupant Headset with Boom Mic and Male 4 Pin Audio Connector
2460SM-28	Single Ear Headset with Dual Banana Plugs
2822-28	Remote Walk-and-Talk with 25 ft. Cable (Simulcom™) (4-Wire Mode)
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
3113	Chamber Speaker

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HYPERBARIC COMMUNICATIONS

Double Lock Chamber Communicator

2820A-4003

The Amcom II™ chamber communication system is a full feature hard wire, two lock communicator system. The Amcom II™ has independent volume controls (operator, inner lock, and outer lock), as well as separate on/off controls for each lock.

Features

- Two Modes of Operation - 2-Wire Mode and/or 4-Wire Mode
- Separate volume controls for operator and each lock
- Separate on/off controls for each lock
- External 12 VDC connection
- Entertainment Model 2820A-4003E has an amplifier to provide audio from any source, such as AM, FM, CD, TV, etc
- Separate volume control for the entertainment channel
- Entertainment audio is interrupted when the Hand-Held Push-to-Talk Microphone or Push-to-Talk switch is activated

Double Lock Chamber Communicator: Part Number 2820A-4003 Includes

- Hand-Held Push-to-Talk Microphone: Part Number 2405-28
- (1) 12 VDC Slide Terminal Gel-Cell Rechargeable Battery: Part Number 2890-05 - Expected life: 15 hrs
- (1) MS Connector – 14 Pin Female: Part Number MS-3106A-20-27S
- (1) MS Cable Clamp 20/22 Shell: Part Number MS-3057-12A
- Power Cord: Part Number P-2392
- User Manual

2820A-4003 PANEL MOUNT DOUBLE LOCK CHAMBER COMMUNICATOR

DOUBLE LOCK CHAMBER COMMUNICATOR BACK VIEW

Specifications	
Power	115/230 VAC, 50-60Hz
Back-up Power	Rechargeable 12 VDC Slide Terminal Gel Cell
Rear Panel Connection	MS 14 Pin Male with Mating Connector
Entertainment Input	2 RCA jacks for (2820A-4003E only) audio input Signal is mixed internally for a stereo input/monaural output
Dimensions	8 in. H x 10.125 in. W x 7.5 in. D (20.3 cm x 25.7 cm x 19.1 cm)
Weight	15 lbs (3.6 kg)

Double Lock Chamber Communicator	
2820A-4003	Standard Double Lock Chamber Communicator
2820A-4003E	Entertainment Double Lock Chamber Communicator, with Entertainment Electronics, Microphone, Manual
Spare Parts and Accessories	
2460-28	Operator Headset
2401-28	Heavy-Duty Operator Headset with Boom Mic and Dual Banana Plugs
2401-31R	Internal Heavy-Duty Occupant Chamber Headset with Boom Mic and 4-Pin Male Audio Connector
2460-31R	Standard Lightweight Occupant Headset with Boom Mic and 4-Pin Male Audio Connector
2822-28	Remote Walk-and-Talk with 25 ft. Cable (Simulcom™) (4-Wire Mode)
2821-28	Remote Push-to-Talk Module with 25 ft. Cable (2-Wire Mode)
3130	Entertainment Speaker
4003-SS	Shop Spares Kit
4003-FS	Field Spares Kit

AMRON INTERNATIONAL

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Easy as 1-2-3

Amron Chamber Communication System

Purchase as a Complete System or by the Module

Setting up your communications, auxiliary and electrical wiring is as easy as 1-2-3 with Amron International's Chamber Communication and Electrical System. This system is a complete "off the shelf," pre-tested chamber communications and wiring system for a double lock chamber. The system is designed for installation by non-electrical type personnel and requires only a crescent wrench and a screw driver. This eliminates the engineering and hunting for all the bits and pieces necessary to properly wire a chamber.

The Communicator

SEE BELOW

The heart of the system is the Amcom™ Chamber Communicator. Full featured two lock system with independent volume and on/off controls for each lock.

This Communicator is also available with electronics for entertainment speaker. See page 17 for full details.

Models	
2810A-2001	Single Lock Chamber Communicator
2820A-4003	Standard Double Lock Chamber Communicator
2820A-4003E	Entertainment Double Lock Chamber Communicator, with entertainment electronics, microphone, manual

2820A-4003 PANEL MOUNT DOUBLE LOCK CHAMBER COMMUNICATOR

Inner-Lock Combo Box

3125

- A small, compact package that saves precious space in the lock
- Pre-Wired, tested with Easy Mounting System
- Electrical Penetrator Adapter with Indexing Mounting Provision
- Talk-Back Speaker and on/off switch
- Sound Powered Phone and Bracket
- Chamber Temperature Probe
- Scrubber Power Circuit Wiring
- Chamber Conditioning Wiring
- Headset Connection Wired for Duplex Simulcom™ (headset optional)
- Gray Epoxy Powdercoat

Specifications	
Dimensions	8 in. H × 6 in. W × 3.5 in. D (20.3 cm x 15.2 cm x 8.9 cm)
Weight	8 lbs (3.6 kg)

3125 INNER-LOCK COMBO BOX

Outer-Lock Combo Box

3126

- A small, compact package that supplies all of the electrical and communications requirements for the chamber inside outer-lock
- Pre-Wired, tested and ready to install
- Electrical Chamber Penetrator Adapter with Indexing Mounting Provision
- Chamber Talk-Back Speaker with on/off switch
- Sound Powered Phone, Jack and Mounting Bracket
- Headset Connection Wired for Duplex Simulcom™
- Gray Epoxy Powdercoat

Specifications	
Dimensions	6 in. H × 4.5 in. W × 4 in. D (15.2 cm x 11.4 cm x 10.2 cm)
Weight	7 lbs (3.2 kg)

3126 OUTER-LOCK COMBO BOX

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Domestic U.S.: 1.877.462.6700
International: 1.760.208.6500

HYPERBARIC COMMUNICATIONS

No more stuffing boxes, cable runs, fabricating brackets and finding the right electrical cables and penetrators. The Easy 1-2-3 comes complete with all the parts you need plus drawings and documentation and most importantly a clean and professional installation.

Easy as 1-2-3
Electrical System

3127 OUTSIDE JUNCTION BOX

Outside Junction Box
3127

The Outside Junction Box is mounted directly to a pressure sealed stainless steel electrical penetrator housing with a brass adapter bushing. The adapter bushing has multiple holes and the Junction Box has slotted holes, permitting the box to be aligned after the penetrator is tight.

- Pre-Wired, tested and ready to install
- Electrical Penetrator, 12 Pin, 1000 PSIG rating
- MS Connection to Wiring Harness
- Easy Mounting System
- Gray Epoxy Powdercoat

Specifications	
Dimensions	6 in. H × 4 in. W × 2.25 in. D (15.2 cm x 10.2 cm x 5.7 cm)
Weight	4 lbs (1.8 kg)

Temperature Monitor
3129

The Amron International Model 3129 is a panel mounted 3-1/2 digit temperature meter displaying temperature in Fahrenheit or Centigrade. The Model 3129 is used with a RTD Temperature Probe Model 3129-RTD. Unit is supplied ready for panel mounting and has a bezel and mounting bracket. The probe is supplied with a friction mounting collar.

- LED Display
- Temperature Range of 0°F to 150°F
- Centigrade Display optional
- AC Powered, 115 VAC

Specifications	
Dimensions	.875 in. H x 3.125 in. W x 4.375 D (2.2 cm x 7.9 cm x 11.1 cm)
Weight	1 lbs (.5 kg)

Models	
3129	Temperature Monitor
3129-RTD	RTD Temperature Probe

Wiring Package
3128-XX*

- All Wiring Connections to Inner and Outer Lock
- Temperature Monitor
- Sound Powered Phone, Jack and Mounting Bracket
- Scrubber on/off switch
- Inside Conditioning Unit, on/off switch
- Fuse Holder for Scrubber and Conditioning Unit
- Panel Interface Bracket
- All Wiring for Comms and other chamber items
- Outside Wiring (carried inside) UL approved circuit
- MS Connectors for Easy Installation
- Custom Penetrators Available

*XX - Requires info from customer when ordering

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Bunk Box with Entertainment

3112

Provides communication and two entertainment channels to individual bunks. A headset is required. Communication can be Push-to-Talk or 4-Wire. A Push-to-Call switch activates an indicator on an Amron International Comm Routing Panel. Input connector is MS type 14 pin, male (MIL-C-5015). Headset connector is 4 pin audio, female. Housing is die cast zinc with gray epoxy powdercoat and 300 series stainless steel front panel. Please note the 2460-31R headset works with this chamber speaker.

Includes

- 14 Pin MS connector: Part Number MS-3106A-20-27S
- MS Cable Clamp 20/22: Part Number MS-3057-12A

Specifications	
Dimensions	4.75 in. H x 5.5 in. W x 2 in. D (12.1 cm x 14 cm x 5.1 cm)
Weight	1.2 lbs (0.54 kg)

Chamber Entertainment Box

3117

Single channel entertainment junction box for two headsets. Individual volume control from maximum to zero range for each headset. Two headset connectors, audio or 1/8 inch stereo. Input connector is MS type 7 pin, male (MIL-C-5015). Housing is die cast zinc with gray epoxy powder coat with 300 series stainless steel front panel.

Includes

- 4 Pin Male MS connector: Part Number MS-3106A-14S-2P
- MS Cable Clamp 14: Part Number MS-3057-6A

Specifications	
Dimensions	4.75 in. H x 5.5 in. W x 2 in. D (12.1 cm x 14 cm x 5.1 cm)
Weight	1.2 lbs (0.54 kg)

Chamber Entertainment Speaker

3118

2-channel entertainment speaker with volume control, 15 Watts horn, and 8 Ohm. Housing is die cast zinc with gray epoxy powdercoat.

Includes

- Pin Female MS connector: Part Number MS-3106A-14S-5S
- MS Cable Clamp 14: Part Number MS-3057-6A

Specifications	
Dimensions	5.5 in. H x 5.5 in. W x 4 in. D (14 cm x 14 cm x 10.2 cm)
Weight	5 lbs (2.3 kg)

Deluxe 8 in. Entertainment Speaker

3130

The Amcom™ Model 3130 high fidelity speaker provides a soft and relaxing sound for the harsh acoustics of a decompression chamber. Used in conjunction with the Amcom™ Communicator. The 3130 has six 1/8 inch stereo jacks for optional headsets. The speaker is aluminum with epoxy powder coat, stainless steel grill and aluminum back mounting bracket. Input connection is 1/2 inch conduit with strain relief.

Specifications	
Dimensions	5 in. H x 10.25 in. W x 11.3 in. L (12.7 cm x 26 cm x 28.9 cm)
Weight	5 lbs (2.3 kg)

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HYPERBARIC COMMUNICATIONS

External Chamber Speaker

2300

Provides communication between operator and chamber. Model 2300-01 has Headset connection and is wired for conference mode operation (no Push-to-Talk). Speaker is 15 Watts, 8 Ohm. Case is 20 gauge black steel. Includes mounting bracket and screw terminals. Please note the 2460-00 headset works with this chamber speaker.

Models	
2300-00	External Chamber Speaker
2300-01	External Chamber Speaker with Headset Jacks

Specifications	
Dimensions	4.5 in. H x 4.25 in. W x 2.25 in. D (11.4 cm x 10.3 cm x 5.7 cm)
Weight	1.5 lbs (.68 kg)

Chamber Speaker

3113

Provides communication between operator and chamber. Headset connection is wired for conference mode operation (no Push-to-Talk). Speaker is 15 Watts, 8 Ohm. Housing is die cast zinc with gray epoxy powdercoat. Please note the 2460-31R headset works with this chamber speaker.

Includes

- 7 Pin MS connector: Part Number MS-3106A-16S-1S
- MS Cable Clamp 16S-1: Part Number MS-3057-8A

Specifications	
Dimensions	5.5 in. H x 5.5 in. W x 4 in. D (14 cm x 14 cm x 10.2 cm)
Weight	5 lbs (2.3 kg)

Chamber Speaker

3114

Low cost speaker is 5 Watts, 8 Ohm. Frequency range: 300 Hz - 8 kHz. Input connection: 3 feet SJO cable, 18 AWG. Housing is die cast zinc with gray epoxy powder coat with 300 series stainless steel front panel.

Specifications	
Dimensions	5.5 in. H x 5.5 in. W x 4 in. D (14 cm x 14 cm x 10.2 cm)
Weight	5 lbs (2.3 kg)

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Chamber Speaker - Push-to-Talk

3110

Remote two-way speaker provides paging and “answer page” by activating Push-to-Talk switch. Eliminates unnecessary monitoring of high-noise areas. Speaker is 15 Watts, 8 Ohm. Optional headset reduces ambient noise interference. Housing is die cast zinc with gray epoxy powdercoat. Please note the 2460-31R headset works with this chamber speaker.

Includes

- 7 Pin MS connector: Part Number MS-3106A-16S-1S
- MS Cable Clamp 16S-1: Part Number MS-3057-8A

Dimensions	
Dimensions	5.5 in. H x 5.5 in. W x 4 in. D (14 cm x 14 cm x 10.2 cm)
Weight	5 lbs (2.3 kg)

Chamber Speaker - Push-to-Call

3111

A two-way speaker featuring a call switch and chamber to Dive Control (DC). Headset jack is wired for conference style communications (no Push-to-Talk). Speaker is 15 Watts, 8 Ohm. Optional headset permits conversation without disturbing other chamber occupants. Individual connections for headset and speaker allow DC to continue chamber monitoring while communicating with a person using the headset. A Push-to-Call switch activates a call indicator on the Amron International Comm Routing Panel (CRP). The CRP activates an audio alarm and a visual indicator identifying the caller’s location. Housing is die cast zinc with gray epoxy powdercoat. Please note the 2460-31R headset works with this chamber speaker.

Includes

- 7 Pin MS connector: Part Number MS-3106A-16S-1S
- MS Cable Clamp 16S-1: Part Number MS-3057-8A

Specifications	
Dimensions	5.5 in. H x 5.5 in. W x 4 in. D (14 cm x 14 cm x 10.2 cm)
Weight	5 lbs (2.3 kg)

Chamber Speaker - On/Off

3115

Provides communication between operator and chamber. Speaker on/off switch for private conversations when using a headset. Headset connection is wired for conference mode operation (no Push-to-Talk). Speaker is 15 Watts, 8 Ohm. Housing is die cast zinc with gray epoxy powdercoat. Please note the 2460-31R headset works with this chamber speaker. **This speaker is approved for U.S. Navy chambers. NSN:5820014336321**

Includes

- 7 Pin MS Connector: Part Number MS-3106A-16S-1S
- MS Cable Clamp 16S-1: Part Number MS-3057-8A

Specifications	
Dimensions	5.5 in. H x 5.5 in. W x 4 in. D (14 cm x 14 cm x 10.2 cm)
Weight	5 lbs (2.3 kg)

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ACCESSORIES

Amron Deluxe Headset

2401-XX

Deluxe Telex headset with boom microphone and color-coded dual banana plugs to mate directly to Amcom™ communicators. Headset also available with EO Connector (-20). Includes spiral cord that can be extended up to 8 feet. Longer length cable available upon request.

Amron Standard Headset

2460-28

Light and comfortable headset for extended wear at an economical price. Adjustable boom mic allows for ultimate positioning. Vinyl cushioned adjustable ear pads and headband. Includes spiral cord that can be extended up to 8 ft. Longer length cable available upon request. Special connectors available upon request.

Amron Standard Occupant Headset

2460-31R

Amron International's light and comfortable Occupant headset for extended wear. Boom microphone pivots up and down only. Vinyl cushioned adjustable ear pads and rubber coated adjustable headband. Equipped with a Switchcraft 4 pin male audio connector to mate directly to Amron International chamber speakers. Includes spiral cord that can be extended up to 8 ft. Longer length cable available upon request.

Amron Deluxe Headset - 4 Pin Audio

2401-31R

Deluxe Telex headset with boom microphone and Switchcraft 4 pin male audio connector to mate directly to Amron International chamber speakers. Includes spiral cord that can be extended up to 8 ft. Longer length cable available upon request.

Bellman's Headset with Bellman EO Connector

2460-20

Light and comfortable headset for extended wear. Boom microphone pivots up and down only. Vinyl cushioned adjustable ear pads and rubber coated adjustable headband. Attaches to Amron International Bell Box Model 3120 with Bellman EO Connector. Includes spiral cord that can be extended up to 8 feet. Longer length cable available upon request.

Amron Headset - Dual Audio Connectors

2460-00

Light and comfortable headset for extended wear. Boom microphone pivots up and down only. Vinyl cushioned adjustable ear pads and rubber coated adjustable headband. Equipped with dual audio connectors. Includes spiral cord that can be extended up to 8 ft. Longer length cable available upon request.

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Amron Remote Walk-and-Talk Module

2822-28

For 4-wire applications only. Hands-free operation (no Push-to-Talk required). Provides tender mobility around the dive site while maintaining constant communications with the divers when used with an Amcom™ communicator and headset. The 2822-28 is a small clip-on belt module that contains headset connections and 25 feet of lightweight flexible wire (custom lengths available).

Amron Remote Push-to-Talk Module

2821-28

For Push-to-Talk applications only (2-wire mode). Provides tender mobility around the dive site while maintaining constant communications with the divers when used with an Amcom™ communicator and a headset. The 2821-28 is a small clip-on belt module that contains a Push-to-Talk switch, headset connections and 25 feet of lightweight flexible wire (custom lengths available).

Amron Push-to-Talk Microphone

2405-28

Hand-held noise canceling Push-to-Talk microphone provides excellent sound clarity to the divers when used with any Amcom™ Communicator. Two color-coded banana plugs that mate directly to the color coded inputs of all Amcom™ communicators.

Banana Plugs

Tip Plugs

Banana Plug and Tip Plugs

SEE BELOW

High quality Dual Pin-Top Banana Plugs and Tip Plugs from Amron International.

Dual-Pin Banana Plugs	
14001B	Black
14001R	Red
14001Y	Yellow

Tip Plugs	
530-105-0773-1	Red
530-105-0772-1	Black

Male Audio Plug

Sound Powered Phone

H203-01

Safe, reliable transmission for chamber communications. Phone with 6 foot coiled retractable cord generates signal from sound waves, no electricity required. This item is intrinsically safe.

Models	
H203-01	Sound Powered Phone with Male Audio Plug
H203-U	Sound Powered Phone Unterminated

Sound Powered Phone Bracket

A-281

Bracket for sound powered handset H203-01 and H203-U. Aluminum frame. Weight 9 oz (.25 kg)

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ACCESSORIES

Non-Rechargeable Battery Amcom I

2890-01

Non-Rechargeable 6 VDC Screw-Top Dry Cell Lantern Batteries

Non-Rechargeable Battery Amcom II

2890-03

Non-Rechargeable 6 VDC Spring-Top Dry Cell Lantern Batteries for Amcom™ communicators and other applications.

Rechargeable Battery Amcom

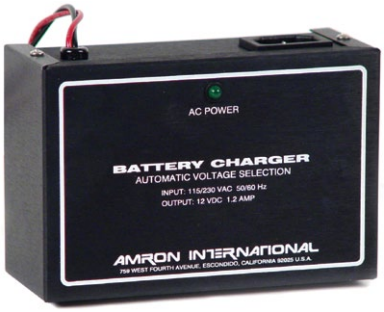
2890-04

Rechargeable 6 VDC Spring Top Gell-Cell Battery.

Replacement External Battery Amcom

2890-05

Rechargeable 12V Slide Terminal, Gel-Cell Battery



Replacement External Battery Charger

2823-602

Replacement external battery charger for the original unit that is included with Amcom™ Rechargeable Communicators. Recharges Gel-Cell rechargeable batteries. The charger can be left on charge indefinitely and will not damage the communicator or the batteries. The charger can be used to directly power the Amcom™ communicator from A/C, 110/ 220 VAC, 50 and 60 Hz. 2.9 amp output. A/C voltage selection is automatic.

DISCLAIMER NOTICE: Battery brands may change without notice.

Banana Jacks

5-Way Binding Posts

Banana Jack and 5-Way Binding Post

SEE BELOW

For Amron International Communicators.

Banana Plugs	
1498-102	Banana Jack - Red
1498-103	Banana Jack - Black
1498-107	Banana Jack - Yellow
5-Way Binding Post	
14002B	5-Way Binding Post - Black
14002R	5-Way Binding Post - Red

BATTERY COMPATIBILITY CHART

Equipment Model No.	Equipment Type	Battery Qty. Per Unit	Battery Model Type				
			2890-01	2890-03	2890-04	2890-05	2823-602
2810A-1	Amcom I™ Portable Non-Rechargeable	2	•				
2810A	Amcom I™ Portable Rechargeable	1				•	
2820A	Amcom II™ Portable Standard Non-Rechargeable	4		•			
2820A/23	Amcom II™ Portable Standard Rechargeable	4			•		•
2820A/24	Amcom II™ Portable Standard AC Power	1				•	
2825A	Amcom II™ Portable Deluxe Non-Rechargeable	4		•			
2825A/23	Amcom II™ Portable Deluxe Rechargeable	4			•		•
2825A/24	Amcom II™ Portable Deluxe AC Power	1				•	
2825A/23/28FDW	Amcom II™ Portable Deluxe Rechargeable with Wireless Tender	4			•		•
2825A/24/26	Amcom II™ Portable Deluxe AC Power with Analog HSU	1				•	
2825A/24/26DSP2	Amcom II™ Portable Deluxe AC Power with DSP2 Unscrambler	1				•	
2825A/24/28FDW	Amcom II™ Portable Deluxe AC Power with Wireless Tender	1				•	
2825R/24	Rack Mount Communicator Rechargeable	2			•		
2825R/24/26	Rack Mount Communicator Rechargeable with Analog HSU	2			•		
2825R/24/26-4002	Rack Mount Communicator Rechargeable with Analog HSU/Call Light	2			•		
2825R/24/26DSP2	Rack Mount Communicator Rechargeable with DSP2 Unscrambler	2			•		
2830A/24	Amcom III™ Portable AC Power	1				•	
2830A/24-MS	Amcom III™ Portable AC Power with MS Connectors	1				•	
2830A/24/26	Amcom III™ Portable AC Power with Analog HSU	1				•	
2830A/24/26DSP2	Amcom III™ Portable AC Power with DSP2 Unscrambler	1				•	
2830A/24/26-MS	Amcom III™ Portable AC Power with Analog HSU/MS Connectors	1				•	
2830A/24/28FDW	Amcom III™ Portable AC Power with Wireless Tender	1				•	
2830A/24/28FDW-MS	Amcom III™ Portable AC Power with Wireless Tender/MS Connectors	1				•	
2830R/24	Rack Mount Communicator Rechargeable	2			•		
2830R/24/26	Rack Mount Communicator Rechargeable with Analog HSU	2			•		
2830R/24/26-4002	Rack Mount Communicator Rechargeable with Analog HSU/Call Light	2			•		
2830R/24/26DSP2	Rack Mount Communicator Rechargeable with DSP2 Unscrambler	2			•		
2840R/24	Rack Mount Communicator Rechargeable	2			•		
2840R/24/26	Rack Mount Communicator Rechargeable with Analog HSU	2			•		
8111	Amcommand I™ AC Power	1				•	
8111-H	Amcommand I™ AC Power with Heating Element	1				•	
8225-HP	Amcommand II™ Rechargeable	2				•	•
8225-HP-H	Amcommand II™ Rechargeable with Heating Element	2				•	•
8225-HP/28FDW	Amcommand II™ Rechargeable with Wireless Tender	2				•	•
8225-HP2	Amcommand II™ Rechargeable with Dual Regulators	2				•	•

DISCLAIMER NOTICE: Battery brands may change without notice.

DISCLAIMER NOTICE: Amron International's communications equipment is designed to be used in air chambers where oxygen concentrations remain below 23.5%. Our communications products (including communicators, speakers, entertainment systems, and other communications accessory items) are NOT designed for oxygen service, are not intrinsically safe, and do not meet the criteria given in NFPA-99, Chapter 20 and other applicable definitions. Use of our products in high-concentration Oxygen environments may result in serious injury and/or death.

WIRELESS COMMUNICATIONS

Aquacom® STX-101SB and STX-101SBR

SEE BELOW

The Aquacom® STX-101SB is a high power surface transceiver designed to operate with the BELL-200 backup communications system. A 110 Watts, 2-channel, rack mounted version is available as the Aquacom® STX-101SBR.

Aquacom® STX-101SB Features

- 70 Watts of power to ensure clear communications in virtually all conditions
- Equipped with 1-channel, either 8.0875 kHz (USB) or 25 kHz USB — depending on whether it is the low-frequency or high-frequency version
- Special circuits were designed to allow all listeners within hearing range, clean, clear communications from all divers within range
- The Squelch is easily adjusted from the front panel
- Field proven by many dive teams around the world

Aquacom® STX-101SBR Features

- Rack mounted
- 110 Watts of power to ensure clear communications in virtually all conditions
- Equipped with 2-channels, either 8.0875 kHz (USB) and 11 kHz (LSB), or 25 kHz USB and 32.768 kHz USB
- Special circuits were designed to allow all listeners within hearing range, clean, clear communications from all divers within range
- The Squelch is easily adjusted from the front panel
- Field proven by many dive teams around the world

Aquacom® STX-101SB: Part Number OTS-900281-003 Includes

- All 150 ft. Depth XDUCER: Part Number OTS-912141-150
- External Power Cable: Part Number OTS-912033-000
- Hand-Held Microphone: Part Number OTS-910193-000
- (2) 6V Spring Term Rechargeable Batteries: Part Number OTS-392008-000
- Smart Charger: Part Number OTS-910361-000

Aquacom® STX-101SBR: Part Number OTS-900281-004 Includes

- 66 ft. XDUCER 25 kHz: Part Number OTS-910258-000
- Hand-Held Microphone: Part Number OTS-910320-000
- Male 2-Pin Connector: Part Number OTS-211021-000
- Male 4-Pin Connector: Part Number OTS-211020-000
- Male 3-Pin Connector: Part Number OTS-211015-000
- Rubber Strain Relief: Part Number OTS-211017-000
- Strain Relief Connector: Part Number OTS-211018-000

Aquacom® STX-101SB (OTS-900281-003) Specifications	
Nominal Range	200-1500 m
Channels	1
Frequencies	8.0875 kHz USB or 25 kHz USB
Output Power	70 Watts
External Power Source	12 VDC at Min 4 amps
Microphone/Speakers	Hand held; dynamic, 200 Ohm / heavy duty front panel speaker with on/off control
Battery Type	Supplied with (2) RB-6V rechargeable batteries -- Do Not Use Alkaline
Battery Life	(10% Duty Cycle): 6 hrs
Dimensions	6.5 in. H x 14 in. W x 10.6 in. L (16.5 cm x 35.6 cm x 26.9 cm)
Weight	12 lbs

STX-101SB SURFACE THROUGH WATER COMMUNICATOR

STX-101SBR

Aquacom® STX-101SBR (OTS-900281-004) Specifications	
Nominal Range	3000 m+
Channels	2
Frequencies	8.0875 kHz USB or 25 kHz USB and 11 kHz LSB or 32.768 kHz USB
Output Power	110 Watts
External Power Source	24 VDC at Min 10 amps
Microphone/Speakers	Hand held; dynamic, 100-1000 Ohm / heavy duty front panel speaker with on/off control
Dimensions	3.49 in. H x 18.3 in. W x 8 in. L (8.9 cm x 46.5 cm x 20.3 cm)
Weight	12 lbs

Aquacom® STX-101SB and STX-101SBR Compatibility Chart	
XT-100 Buddy Phone®	TEC-BUD Buddy Phone®
MKII BUD Buddy Phone® D2	XT-100-H Buddy Phone®
SP-100D-2 Buddy Phone2®	SSB-1001B Aquacom®
RX-100-D2-A Buddy Phone®	RCL-7A Multi-Charging Station
SCU-BUD/S Buddy Phone®	SSB-1000D Aquacom®
SSB-2010 Aquacom®	STX-100 Buddy Phone®
STX-101 Aquacom®	SSB-2000/1 Aquacom®
SSB-1000S Aquacom®	Bell-200 Underwater Telephone

Bell-200 Underwater Telephone

OTS-900126-000

The Aquacom® Bell-200 is a compact, Hi-Power, 70 Watts, self-contained, through-water back up system.

Features

- The Bell-200 is commonly used in diving bells and/or submersibles
- Combines with OTS STX-101SB or MAG-1001S Surface Station
- The combinations ensure the user clear communications even when the environment is not cooperating in saturation diving

Bell-200 Underwater Telephone: Part Number OTS-900126-000 Includes

- Transducer assembly Part Number OTS-912-044-001
- 2 Pin Amphenol connector Part Number OTS-U10-584185-143
- User manual

Bell-200 Compatibility Chart
STX-101SB, MAG-1001S, STX-101SBR

Bell-200 Specifications	
Range	Calm seas: Up to 2 miles lateral range with 25 kHz transducer. 7 miles range with optional 8.0875 kHz transducer
Transmission	25 kHz upper sideband (optional 8.0875 kHz upper sideband available)
Output Power	70 Watts
Automatic Gain	100 dB dynamic range
Operating Depth	Standard up to 1,600 FSW Optional all depth transducer, over 1,600 FSW
Supply Voltage	24 VDC at 10 amps
Housing Dimensions	4.7 in. H x 10.2 in. W x 3.55 in. D (11.9 cm x 25.9 cm x 9 cm)
Weight	4.5 lbs (2.04 kg)

Aquacom® STX-101 Transceiver

OTS-900281-000

The Aquacom® STX-101 surface transceiver is a 5 Watts, multi-channel, single sideband through-water telephone designed with the Professional Search and Rescue Team in mind.

Features

- 4-channels that match the SSB-2010 diver transceivers
- Provides total communication control with all free swimming scuba divers that are equipped with the Buddy Phone or Aquacom diver transceivers

Aquacom® STX-101 Transceiver: Part Number OTS-900281-000 Includes

- Hand-Held Microphone: Part Number OTS-910193-000
- 35 ft. Transducer Cable: Part Number OTS-912077-000
- Tip Plugs to Bare Wire: Part Number OTS-912033-000
- User Manual

Accessories	
OTS-900298-009	THB-101 Headset

STX-101 Channels (Single Sideband)			
1 = 32.768 kHz upper	2 = 32.768 kHz lower	3 = 31.250 kHz upper	4 = 31.250 kHz lower

Aquacom® STX-101 Compatibility Chart	
XT-100 Buddy Phone®	RX-100-D2-A Buddy Phone®
XT-100-H Buddy Phone®	TEC-BUD Buddy Phone®
SCU-BUD/S Buddy Phone®	SP-100D-2 Buddy Phone2®
MKII Buddy Phone® D2	STX-101/M Aquacom®
SSB-1001B Aquacom®	SSB-2010 Aquacom®
RCL-7A Multi Battery Charger	

Aquacom® STX-101 (900281-000) Specifications	
Nominal Range	Calm seas: Greater than 1,500 m
Frequency Range	30 to 35 kHz
Audio Bandwidth	300 to 3,500 Hz
Automatic Gain Control	120 dB dynamic range (AGC)
Acoustic Output Power	5 Watts (Nominal)
Microphone/Speaker	Hand-held , dynamic, 200 Ohm/Heavy duty front panel speaker with On/Off control
Transducer	Piezoelectric type on a 35 ft. cable
External Power	12 VDC at minimum of 4 amps
Battery Type and Life	(2) 6 Volt lantern battery (Alkaline or optional Rechargeable batteries also available 392008-000). 20 hrs continuous use assuming 10% duty cycle
Squelch	User adjustable from the front panel
Receiver Sensitivity	Greater than 100 dBv
Housing Dimensions	6.5 in. H x 14 in. W x 10.6 in. D (16.5 cm x 35.6 cm x 26.9 cm)
Weight	12.5 lbs with battery

WIRELESS COMMUNICATIONS

Aquacom® STX-101M Transceiver

OTS-900281-001

The OTS Aquacom STX-101M is a 10 Watts, 8-channel, single sideband surface-to-underwater telephone designed specifically for military and government agency use.

Aquacom® STX-101M: Part Number OTS-900281-001 Includes

- Hand-Held Microphone: Part Number OTS-910193-000
- 55 ft. Transducer Cable: Part Number OTS-900096-010
- Transducer Assembly: Part Number OTS-912020-000
- (2) Rechargeable Batteries: Part Number OTS-392008-000
- Expected life: 20 hrs
- Battery Charger: Part Number OTS-910361-000
- Tip Plugs to Bare Wire: Part Number OTS-912033-000
- User Manual

Accessories	
OTS-900298-009	THB-101 Headset

Aquacom® STX-101M (900281-001) Specifications	
Nominal Range	Calm sea: greater than 1,500 m Sea State 6: 200 m
Frequency Range	30-35 kHz
Audio Bandwidth	300-3,500 Hz
Speaker	Front panel speaker with On/Off control
Automatic Gain Control	120 dB dynamic range (AGC)
Transducer	Piezoelectric type on 55 ft. cable
External Power	12 VDC at minimum of 4 amps
Squelch	User adjustable from the front panel
Receiver Sensitivity	Greater than 100 dBv
Housing Dimensions	6.5 in. H × 14 in. W × 10.6 in. D (16.5 cm x 35.6 cm x 26.9 cm)
Weight	12.5 lbs with battery

Aquacom® STX-101M Single Sideband Channels			
1 = 32.768 kHz upper	2 = 32.768 kHz lower	3 = 31.250 kHz upper	4 = 31.250 kHz lower
5 = 28.5 kHz upper	6 = 28.5 kHz lower	7 = 25 kHz upper	8 = 25 kHz lower

STX-101M Compatibility Chart			
XT-100 Buddy Phone®	TEC-BUD	MKII BUD Buddy Phone® D2	SP-100D-2 Buddy Phone2®
RX-100-D2-A Buddy Phone®	SCU-BUD/S Buddy Phone®	SSB-2010 Aquacom®	STX-101 Aquacom®
XT-100-H Buddy Phone®	SSB-1001B Aquacom®	RCL-7A Multi-Charging Station	SSB-1000D Aquacom®
STX-100 Buddy Phone®	SSB-2000/1 Aquacom®	SSB-1000S Aquacom®	

SP-100D-2 Buddy Phone2®

OTS-900402-000

The SP-100D-2 Buddy Phone2® Surface Station transceiver is designed to operate with all single sideband acoustic underwater devices within range and on the same frequency.

Features

- Very useful dive communication system on dive boats and/or dive operations to monitor and talk to divers while action is happening
- Designed with State-of-the-art Digital Signal Processing circuitry ensuring great performance and clarity
- Front Panel speaker allows any persons within range and on the same frequency to be heard loud and clear

SP-100-D-2 Buddy Phone2®: Part Number OTS-900402-000 Includes

- 35 ft. Transducer Cable Assembly: Part Number OTS-912077-000
- Hand-Held Microphone: Part Number OTS-110025-000

SP-100D-2 Compatibility Chart	
RX-100-D2-A Buddy Phone®	STX-101 Aquacom®
MKII BUD Buddy Phone® D2	SSB-2010 Aquacom®
SCU-BUD/S Buddy Phone®	SSB-2000/1 Aquacom®
OR-BUD/S Buddy Phone®	STX-100 Buddy Phone®
TEC-BUD/S Buddy Phone®	

SP-100D-2 Surface Buddy Phone2® (900402-000) Specifications	
Nominal Range	50 to 500 meters depending on sea conditions and noise levels
Reference Frequency	32.768 kHz upper single sideband
Audio Bandwidth	300 Hz to 3,000 Hz
Automatic Gain Control	Greater than 80 dB
Transmitter/Audio Output	1/2 Watts (Transmitter), 1/2 Watts (Speaker)
Microphone	Hand-held, Push-to-Talk, dynamic, 500 Ohm impedance
Transducer	Ceramic cylinder attached to a 35 ft. cable with connectors
Receiver Sensitivity	Greater than 100 dBv
Battery Type/Life	8 AA Alkaline batteries 10 hrs - 16 AA Alkaline batteries 20 hrs (nominal)
Low Battery Alarm	1 beep every 60 seconds when battery level is below 7V
Housing and Dimensions	7.85 in. H x 9 in. W x 3.4 in. D (19.9 cm x 22.9 cm x 8.6 cm)
External Power	12 VDC at Min. of 1 amp access via front panel mini double banana plug

CDK-6 Surface Accessory Kit

OTS-900015-007

The CDK-6 Surface Accessory Kit is designed to convert underwater transceivers or telephones like the SSB-2010, SSB-2001B, or SSB-1001B into a portable surface station.

Features

- Push-to-Talk control included on one side of the earphone muff
- The CDK-6 is perfect for fast response and when space is a factor
- Many team leaders utilize the CDK-6 in small craft operations

CDK-6Surface Accessory Kit: Part Number OTS-900015-007 Includes

- Deluxe Headset with Boom Microphone: Part Number OTS-910019-007
- 55 ft. Transducer cable: Part Number OTS-910017-000

CDK-6 Surface Accessory Kit (900015-007) Specifications	
Microphone	Noise cancelling (boom mic. on headset)
Frequency Range	30 to 35 kHz
Cable	55 ft. of cable with male and female amp connectors
Earphone	Dual earphone headset with boom microphone
Push-to-Talk (PTT)	Installed on one side of the earphone muff

CDK-6 Compatibility Chart
SSB-2010, SSB-1001B

Note: The SSB-2010 diver unit shown is not included in the CDK-6 Accessory Kit

Aquacom® SSB-2010 Transceiver

OTS-900272-000

The Aquacom® SSB-2010 diver transceiver is a 3 Watts, multichannel single sideband underwater telephone designed with the Professional Search and Rescue Teams in mind.

Features

- Configured to operate with virtually any style full face mask (ffm) such as the AGA® MKII or Kirby Morgan® EXO-BR™
- With the addition of a CDK-6 Surface Accessory Kit, the SSB-2010 is easily converted into a portable surface station such as the Aquacom® STX-101 Transceiver
- Gives divers the ability to talk to one another or talk to any compatible surface station while they are underwater
- Heavy Duty design
- Squelch
- Voice Operated Transmission (VOX)
- Voice menu so that the user can easily adjust the SSB-2010 underwater
- Earphone Volumes
- 4-channels

Aquacom® SSB-2010 Transceiver: Part Number OTS-900272-000 Includes

- Storage Bag: Part Number 134153-000
- Adjusting Tool: Part Number 910013-000
- User Manual

Channels			
1 = 32.768 kHz upper sideband	2 = 32.768 kHz lower sideband	3 = 31.250 kHz upper sideband	4 = 31.250 kHz lower sideband

Aquacom® SSB-2010 Compatibility Chart			
XT-100 Buddy Phone®	RX-100-D2-A Buddy Phone®	SSB-1001B	EMA-2
XT-100-H Buddy Phone®	SP-100D-2 Buddy Phone2®	CDK-6 Kit	EMX-2B
SCU-BUD/S Buddy Phone®	MKII BUD Buddy Phone® D2	STX-101/M	EMX-2
TEC-BUD Buddy Phone®	SSB-2000/1	RCL-7A	STX-101

Aquacom® SSB-2010 (900272-000) Specifications	
Nominal Range	Calm sea: Greater than 1,000 meters
Transmitter Band	31 to 33 kHz
Audio Frequency Response	300-4,000 Hz
Receiver Sensitivity	-110 dBv
Acoustic Output Power	3 Watts (176.4 dB re 1 uPA at one meter)
Auto. Gain Control (AGC)	120 dB dynamic range
Transducer	Piezoelectric type
Transmitter Activation	Voice operated transmitter (VOX) or manual activation Push-to-Talk
Battery Type	8-AA Alkaline cells or opt. Rechargeable RB-10A Nickel Cad. Pack. or NiMH
Battery Life	12 hrs on AA Alkaline, 10% duty cycle, 13 hrs NiMH
Low Battery Indicator	Flashing Red LED on upper housing (also indicates power is ON)
Housing Dimensions	7.60 in. H x 3.55 in. W x 1.80 in. D (19.9 cm x 9 cm x 4.6 cm)

WIRELESS COMMUNICATIONS

OTS Aquacom® SSB-1001B Transceiver

OTS-900272-011

Navy approved, the Aquacom® SSB-1001B transceiver is a 10 Watts, multi-channel, single sideband underwater telephone designed for Military and Government use. It is a through-water communication systems like the Aquacom® SSB-2010.

Features

- Configured to operate with virtually any style full face mask such as the AGA® MKII or Kirby Morgan® EXO-BR™
- With the addition of a CDK-6 Surface Accessory Kit, the SSB-1001B is easily converted into a portable surface station such as the Aquacom® STX-101 Transceiver
- Gives divers the ability to talk to one another or talk to any compatible surface station while they are underwater
- Heavy duty design
- The patented VOX and Diver Control System ensures crystal clear communications
- Designed with State-of-the-art Digital Signal Processing circuitry ensuring great performance and clarity
- U.S. Navy Approved

Aquacom® SSB-1001B: Part Number OTS-900272-011 Transceiver Includes

- Storage Bag: Part Number 134153-000
- Adjusting Tool: Part Number 910013-000
- User Manual

Aquacom® SSB-1001B (900272-011) Specifications	
Nominal Range	Calm sea: Greater then 1,500 meters Sea State 6: 150 meters nominal
Transmitter Band	25 to 31 kHz
Audio Frequency Response	300-4,000 Hz
Receiver Sensitivity	-110 dBv
Acoustic Output Power	10 Watts + (174.2 dB re 1 uPA at one meter)
Auto. Gain Control (AGC)	120 dB dynamic range (AGC)
Transducer	Piezoelectric type
Transmitter Activation	Voice Operated Transmitter (VOX) or Manual Activation Push-to-Talk
Battery Type	8-AA Alkaline Cells or NiMH Rechargeable Battery (RB-11 and RC-15)
Battery Life	12 hrs AA Alkaline assuming 10% duty cycle 13 hrs NiMH Battery
Low Battery Indicator	Red LED on upper housing (also indicates power is ON)
Housing Dimensions	7.60 in. H x 3.55 in. W x 1.80 in. D (19.9 cm x 9 cm x 4.6 cm)

Channels			
1 = 32.768 kHz upper	2 = 32.768 kHz lower	3 = 31.250 kHz upper	4 = 31.250 kHz lower
5 = 28.5 kHz upper	6 = 28.5 kHz lower	7 = 25 kHz upper	8 = 25 kHz lower

Aquacom® SSB-1001B Compatibility Chart			
MKII Buddy Phone® D2	RX-100 Buddy Phone®	SSB-2010 Aquacom®	XT-100-H Buddy Phone®
MKII-BUDS Buddy Phone®	STX-101 Aquacom®	STX-101M Aquacom®	SCU-BUD/S Buddy Phone®
SP-100D-2 Digital Buddy Phone®	CDK-6 Surface Accessory Kit	EMA-2 Ear/Mic. Assembly	TEC-BUDS Buddy Phone®
RCL-7A Multi Battery Charger			

Picture shown has the SSB-2010 Transceiver (OTS-900272-011) assembled along with the Guardian Full-Face Mask (920001-001) and the Ear and Microphone Assembly (EMA-2). Contact your Amron International Sales Rep at (760) 208-6500 to purchase all three components assembled or separately.

MKII-BUD Buddy Phone® D2

SEE BELOW

The MKII-BUD Buddy Phone® D2 is a digital, micro-miniature, ultrasonic transceiver allowing communication between two or more scuba divers or surface stations. Using "Digital Signal Processing" (DSP) techniques, the Buddy Phone® produces uncompromising speech clarity.

Features

- Uses ultrasonic upper single sideband for transmission
- Voice guided menu with volume adjustment and channel A/B option or continuous voice transmission mode
- Used primarily with Search and Rescue Teams and Military Commands but the sport and movie industry are quickly standardizing on it
- Configured to be installed on Interspiro/AGA® full face masks
- U.S. Navy Approved

OTS MKII-BUD Buddy Phone® D2 Specifications	
Nominal Range	50 to 500 m depending on Sea Conditions and noise levels
Reference Frequency	32.768 kHz upper single sideband
Audio Bandwidth	300 Hz to 3,000 Hz
Auto. Gain Control	Greater than 80 dB
Earphone	Ceramic with dynamic depth compensation
Microphone	Dynamic noise cancelling and waterproof
Transducer	Ceramic cylinder
Acoustic Power	1/2 Watts (PEP)
Battery Type	Alkaline 9V type, or OTS energy NiMH 9.6V Rechargeable (RBN-9H)
Operating Depth	130 FSW
Weight in Air	8.1 oz. (229.64 g)

OTS MKII-BUD Buddy Phone® D2	
OTS-900408-002	MKII BUD Buddy Phone® D2 underwater communication system only. Set up to install in most AGA® full face masks.
OTS-900408-010	OTS underwater communications system includes the MKII BUD Buddy Phone® D2 and MKII AGA® full face mask including 2nd stage regulator

MKII-BUD/S Compatibility Chart	
XT-100 Buddy Phone®	RX-100 Buddy Phone®
XT-100-H Buddy Phone®	Interspiro (AGA) Full Face Masks
SCU-BUD/S Buddy Phone®	SSB-2010 Aquacom®
TEC-BUD Buddy Phone®	SP-100D-2 Buddy Phone2®
SSB-2000/1 Aquacom®	SSB-1001B Aquacom®
STX-101/M Aquacom®	SSB-2001B Aquacom®

Earphone/Microphone Assembly

SEE BELOW

Earphone/Microphone Assemblies are designed to allow the user to connect either hard-wire or through-water communications.

Features

- OTS earphone/microphone assemblies are designed for all Interspiro Face Masks such as the MKII and MK20, Kirby Morgan® EXO-BR™ Dive Masks, and Kirby Morgan® M-48 SuperMasks®

EMA-2 Ear and Mic Assembly for Interspiro AGA® full face mask (shown in picture): Part Number OTS-911060-001 Includes

- Hot Mic: Part Number OTS-912086-000
- (2) Earphone Holders: Part Number OTS-115014-000

EMX-2B Ear and Mic Assembly for Kirby Morgan® EXO-BR™: Part Number OTS-911060-026 Includes

- Hot Mic: Part Number OTS-912086-000
- (2) Earphone Holders: Part Number OTS-115014-000

EMD-2 Ear and Mic Assembly for Kirby Morgan® M-48 SuperMask®: Part Number OTS-911060-067 Includes

- Hot Mic: Part Number OTS-912086-000
- (2) Earphone Holders: Part Number OTS-115014-000

OTS Earphone/Microphone Assembly	
911060-001	Interspiro AGA® FFM, Hot Mic, Dual Earphones, PTT Control, Hi-Use
911060-026	Kirby Morgan® EXO-BR™ (New Style/Oral-Nasal), Hot Mic, Dual Earphones, PTT Control, Hi-Use
911060-067	Kirby Morgan® M-48, Hot Mic, Dual Earphones, PTT Control, Hi-Use
OTS-911060-044	Interspiro AGA® FFM, Hot Mic, Dual Earphones, PTT Control, Male 4-Pin Marsh Marine Connector

WIRELESS COMMUNICATIONS

DRS-100B Diver Recall/Hydrophone

OTS-900097-000

The DRS-100B Diver Recall - Hydrophone system is U.S. Navy approved and used by Special Warfare units around the world. The DRS-100B is a dive supervisor's best friend, allowing him to recall free-swimming divers. It will alert all divers within range with either voice, solid or intermittent tones

Features

- Boasts a listening mode for monitoring underwater biological or man-made sounds
- Simple operation by lowering the transducer cable into the water, it puts all divers within range in instant communication
- Voice communication, as well as solid or intermittent tones
- U.S. Navy Approved

DRS-100B Diver Recall/Hydrophone: Part Number OTS-900097-000 Includes

- Hand-Held Microphone: Part Number OTS-910041-000
- (2) 12V Rechargeable Battery: Part Number OTS-900041-000
- Battery Charger: Part Number OTS-910363-000
- Transducer with 25 ft. Cable: Part Number OTS-900189-000

DRS-100B (900097-000) Specifications	
Nominal Range	100 yards voice, 300 yards tone
Frequency Range	500 - 4,000 Hz
Input Current/Voltage	7 amps Max. / 24 VDC
Audio Power	132 Watts (PEP)
Idle Current	75 mA
Microphone	Hand-Held Push-to-Talk
Transducer	Lubell (anodized aluminum)
Battery Life	5 hrs at 20% duty cycle (recall/tone) 3 hrs with auxiliary input
Battery Type	(2) 12V 2.6 amp hrs (RB-30)
Low Battery Alarm	LED flashes at approx. 20 volts
Housing Dimensions	6.5 in. H × 14 in. W × 10.6 in. D (16.5 cm x 35.6 cm x 26.9 cm)
Weight	15 lbs (6.8 kg)